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Summary

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Number of contacts Low Voltage	12
Wire Size/AWG	24 - 20
Gender	Reverse Gender
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	10.60 - 12.00 mm
Size	3T
Suggested matching part	EGL.3T.312.CYC
Series	T - Small Outdoor keyed

https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/fgl-3t-312-cymk11.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	12
Contact Termination Low voltage	Crimp
R (max)	4.8 mOhm
Insert configuration value	3T.312 - 12 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	9 A
Vtest (contact-contact)	2.3 kV (DC)
Vtest (contact-shell)	2.6 kV (DC)
Contact retention	30 N
Max. Conductor	0.5 mm ² (AWG 20)
Min. Conductor	0.25 mm ² (AWG 24)
Bucket Dia.	1.1 mm (0.043in)
Contact Dia.	0.9 mm (0.035in)
Wire Size/AWG	24 - 20
Gender	Reverse Gender

Form & Material

Shell style / Model id	FG - Straight plug with oversize cable collet
Plug	Straight
Housing material	Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Locking system	Push-pull
Keying	L: 2 keys (gamma=70, plug: female contacts, receptacle: male contacts)
Colour	Grey

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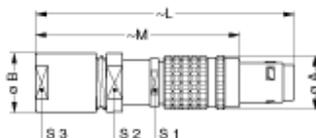
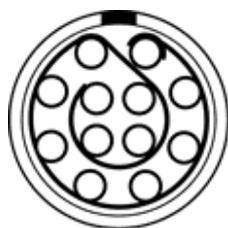
Environment

Environmental sealing (IP rating)	IP68
Endurance	>3000 mating cycles
Temperature range	-55°C / +200°C (max. temperature valid for short periods of use.)
Climatical Category	50/175/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Resistance to vibration	15 g [10 Hz - 2000 Hz]
Shock Resistance	100 g [6 ms]
Salt Spray Corrosion	>1000 hr

Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	10.60 - 12.00 mm

Drawings



Dimensions

	A	B	L	M	S1	S2	S3
mm.	18.8	23	87.7	72.7	16	20	20
in.	0.74	0.91	3.45	2.86	0.63	0.79	0.79

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Recommended By Lemo

Accessories

Replacement contact	EGG.3B.660.ZZM
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Compatible cap	BFG.3T.100.CAS
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Tools

Spanner	DCP.2T.110.TN
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Positionner	DCE.91.093.BVM
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Extraction tool	DCC.09.05B.LAG
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Crimp tool	DPC.91.701.V
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Cables

Cable PartNumber	Material	Colour	Cable image
412750	PVC	Grey	

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